

**ANDHRA PRADESH LEGISLATIVE COUNCIL
SESSION - 11**

**LCQ No. 3781 (S)
by S/Sri**

Given notice

Narayana

Mallula Lakshmi

Venkata Siva Reddy
Mundla
Bommidi Narayana Rao,

MLCs

Will the Minister for Agriculture, Rain Shadow Areas Development be pleased to state:

- a) Whether it is a fact that the Cloud Seeding Programme in the State is being stopped;
- b) The details of the areas in which the said programme has been conducted so far together with the amount spent for the same; and
- c) The details of the rain fall registered in various areas due to the said programme during the last 3 years?

RAIN SHADOW AREAS DEVELOPMENT (RS.II) DEPARTMENT

ANSWER

- a) Cloud Seeding Operations are suspended for one year during 2010-2011.
- b) i). The Cloud Seeding Programme has been conducted in 12 Rain Shadow Districts of A.P. namely Medak, Karimnagar, Mahabubnagar, Rangareddy, Nalgonda, Kurnool, Kadapa, Chittoor, Anantapur, Guntur, Prakasam and Nellore.

ii). The total amount spent by the Government on Cloud Seeding from 2003 onwards is Rs. 83,73,57,179/-. The details are placed on the Table of the House.
- c) The details of estimate of rainfall in 12 RSAD Districts are placed on the Table of the House.

(THE ABOVE ANSWER HAS BEEN APPROVED BY HON'BLE MINISTER FOR AGRICULTURE, HORTICULTURE, SERICULTURE & RSAD DEPARTMENT)

for SPL.CHIEF SECRETARY TO GOVERNMENT

To
The A.P.Legislative Council (200 copies both English and Telugu)
The Addl. Secretary to Hon'ble C.M. (5 copies)
The P.S to Hon'ble M(AHS & RSAD) Dept.
The P.S to Spl. Chief Secy. to Govt. RSAD Dept.
The G.A. (Leg & Coordn) Dept.
SF/SCs

U.O.NOTE NO. 65/RS.II/2010-1, DATED:24-02-2010

ANSWER TO THE QUESTION (b) OF THE STARRED LCQ No. 3781

The Statement showing the total amount spent by the Government on Cloud Seeding from 2003 to 2009:

Sl.No	Cloud Seeding Year	Year wise Expenditure incurred so far <i>Rs.</i>
1	2003	2, 67,00,000/-
2	2004	20,02,52,282/-
3	2005	21,50,12,215/-
4	2006	6,50,00,000/-
5	2007	29,73,51,238/-
6	2008	2,08,09,500/-
7	2009	1,22,31,944/-
Total		83,73,57,179/-

**N. RAGHUVVEERA REDDY
HON'BLE MINISTER FOR AGRICULTURE, HORTICULTURE,
SERICULTURE
AND RAIN SHADOW AREAS DEVELOPMENT**

ANSWER TO THE QUESTION (C) OF THE STARRED LCQ No. 3781

The Statement showing the estimate of enhancement of rainfall in various areas during the last 3 years:

Cloud Seeding Operations-2007, 16 Jul - 12 Nov 07 (120 days)

District Name	Cumulative Rainfall (mm) during seeding period (120) days	Cumulative Rainfall (mm) under zone of influence due to seeding	Influenced Mandals	% rainfall enhanced due to seeding
Anantapur	29914.9	7488.9	63	25.0
Chittoor	36519.8	3784.6	56	10.4
Kadapa	33060.7	5736.7	48	17.4
Kurnool	29145.0	6012.7	54	20.6
Mahabubnagar	30502.8	11029.8	64	36.2
Karimnagar	33958.3	5009.9	53	14.8
Nalgonda	32180.0	9771.6	59	30.4
Medak	19508.4	2298.5	43	11.8
Nellore	10687.3	632.0	13	5.9
Rangareddy	17472.4	5031.9	34	28.8
Prakasam	22548.9	2391.9	45	10.6
Adilabad	8312.0	558.1	12	6.7
Guntur	19110.6	2163.8	31	11.3
Total	322921.1	61910.4	575	
% rainfall enhanced due to seeding in the year 2007 = 19.17				

Cloud Seeding Operations-2008, 25 Jul - 24 Nov 08 (120 days)

District Name	Cumulative Rainfall (mm) during seeding period (120 days)	Cumulative Rainfall (mm) under zone of influence due to seeding	Influenced Mandals	% rainfall enhanced due to seeding
Anantapur	26488	5424.4	61	20.5
Chittoor	29931.3	3243.9	64	10.8
Kadapa	20835.5	5427.3	50	26.1
Kurnool	21451.5	3748.4	54	17.5
Mahabubnagar	21878.7	4491.6	64	20.5
Karimnagar	4046.2	14.8	8	0.4
Nalgonda	30224.8	3348.4	59	11.1
Medak	23335.7	1509.4	41	6.5
Nellore	22028.3	2063.8	37	9.4
Rangareddy	18445.9	3157	32	17.1
Prakasham	9531.7	9531.7	26	7.3
Guntur	3824.7	396.8	9	10.4
Total	232022.3	42357.5	505	
% rainfall enhanced due to seeding in the year 2008 = 18.25				

Cloud Seeding Operations-2009, 20 Jul - 23 Nov 09 (120 days)

District Name	Cumulative Rainfall (mm) during seeding period (120 days)	Cumulative Rainfall (mm) under zone of influence due to seeding	Influenced mandals	% rainfall enhanced due to seeding
Anantapur	26621.3	7678.8	63	28.84
Chittoor	19857.6	1570.6	43	7.91
Kadapa	22592.6	3233	51	14.31
Kurnool	28015.6	5063.8	50	18.07
Mahabubnagar	37015.9	10306.8	63	27.84
Karimnagar	17616.8	835.2	40	4.74
Nalgonda	21994.2	5821	57	26.47
Medak	19557.6	1219.6	45	6.24
Nellore	9668.6	337.2	16	3.49
Rangareddy	18459.5	2597.7	33	14.07
Prakasham	6177.9	282.6	13	4.57
Guntur	2979.2	292.7	7	9.82

Total	230556.7	39239	481	
% rainfall enhanced due to seeding in the year 2009=17.01				

**Zone of influence is taken as 50 km radius from the point of seeding.*

N. RAGHUVVEERA REDDY
HON’BLE MINISTER FOR AGRICULTURE, HORTICULTURE,
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AND RAIN SHADOW AREAS DEVELOPMENT